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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Olli Piirainen  
Serial No.: 09/936,540  
Filed: January 16, 2002  
For: ESTIMATION OF DOPPLER SHIFT COMPENSATION IN  
MOBILE COMMUNICATION  
Examiner: Don Nguyen VO  
Art Unit: 2631  
Docket No.: NOKIA.4005  
Customer No.: 43829

**MAIL STOP AMENDMENT**  
**COMMISSIONER FOR PATENTS**  
**P.O. BOX 1450**  
**ALEXANDRIA, VA 22313-1450**

**AMENDMENT**

Sir:

In response to the Office Action dated May 17, 2005, please amend the above identified patent application as follows:

**Amendments to the Claims begin on page 2 of this paper.**

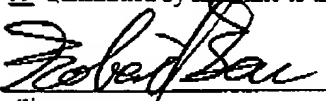
**Amendments to the Specification begin on page 5 of this paper.**

**Amendments to the drawings begin on page 6 of this paper.**

**Remarks/Arguments begin on page 7 of this paper.**

**Certificate of Mailing/Transmission (37 C.F.R. Section 1.8(a))**

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Signature

July 18, 2005  
Date

ROBERT M. BAUER  
(name of person certifying)

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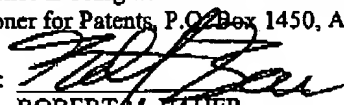
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: ROBERT M. BAUER

Transmitted herewith:

1. Response to Office Action dated May 17, 2005;
2. Submission of Amended drawings with annotated Fig. 2 (3 pages).

Total No. of pages transmitted, including this sheet: <sup>13</sup> ~~11~~

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